

PUBLIC FAST CHARGING STATION, 50KW DC

SAFE, FAST, AND RELIABLE ELECTRIC VEHICLE CHARGING IN MINUTES, NOT HOURS

MODEL EV50-PS

FEATURES

- Built-in security and safety measures
- Intuitive plug-and-charge interface
- Outdoor-rated enclosure
- Robust IGBT power technology
- CHAdeMO protocol compatibility option
- Point-of-Sale (POS) options
- Data management and metering options
- Wired and wireless communication options



Prototype image shown.
Production model may vary.

SPECIFICATION	EV50
Power Rating	50kW
Power Factor	0.95
Input Power	480V, 3 Phase AC (Other inputs available)
Input Current	64A max
Frequency	50Hz / 60Hz
Efficiency Rating	>90%
Max. Output DC Current	120A
Max. Output DC Voltage	100-500V
Voltage Accuracy	1%
Current Accuracy (Lesser of the two)	.5A or 5%
Charger Shutdown Time	15 ms
Duty Cycle Rating	100%
Storage Temperature	-40°F to 140°F -40°C to 60°C
Operating Temperature	-22°F to 122°F -30°C to 50°C
Relative Humidity	95% (Non condensing)

Information and specifications subject to change.



Our EV50-PS Public Fast Charging Station delivers a fast, reliable, and safe charge to electric vehicles (EVs) when drivers are away from home and on the road. EV50-PS is designed to withstand variable weather conditions for installation in public locations including:

- Along well-traveled highways
- Federal and municipal buildings
- Charging stations in the city
- Airports
- Rest stops

How It's Used: Our Public Fast Charging Stations mirror the gas station experience by allowing drivers to pull up to a "pump" for a quick and safe charge in a matter of minutes. As battery chemistries evolve to support faster charging, a 25kWh EV battery may receive up to an 80% battery capacity charge in less than 10 minutes, depending on conditions.

Proven Architecture: Considered by many to be the most powerful and advanced EV charging technology, DC Fast Charging has been advanced by AV for more than a decade in large, fielded installations. The EV50-PS is based on the same demonstrated technology that has made AV the leading provider of industrial and commercial fast chargers to airports, warehouses, and manufacturing plants the world over.